ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Livestock Facility Inspection Checklist

GENERAL INFORMATION

TYPE OF INSPECTION:
☒ CAFO ☐ COMPLAINT ☐ RECONNAISSANCE ☐ ERU FOLLOW UP ☐ OPERATOR REQUEST ☐ OTHER

FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.)	INSPECTION DATE	ARRIVAL TIME	DEPARTURE TIME
Thole Ag, Inc.	**5/08/13**	**10:00AM**	**1:15PM**

ADDRESS	LATITUDE (Decimal)	LONGITUDE (Decimal)	GPS Measured / Google Earth
5107 Lee Road	**N 38.655848**	**W 89.611917**	☐ / ☒

CITY	STATE	ZIP CODE	INSPECTOR(s)	ACCOMPANIED BY (if applicable)
Aviston	**IL**	**62216**	**Joe Stitely**	**Brian Rodely**

COUNTY	SECTION	TOWNSHIP	RANGE	POLITICAL TOWNSHIP	TEMP.	PRECIP. TYPE / AMT LAST 24HR
Madison	**36**	**3N**	**5W**	**Helvetia**	**72 F**	**Rain/0.10"**

Facility Owner(s): Exemption 6 and Exemption 7(C)

NAME	CONTACTED	PHONE	MOBILE
Daniel Thole	☒ YES ☐ NO		Exemption 6 and Exemption 7(C)

ADDRESS	CITY	STATE	ZIP CODE

NAME	CONTACTED	PHONE	MOBILE
	☐ YES ☐ NO		

ADDRESS	CITY	STATE	ZIP CODE

Facility Operator(s): Exemption 6 and Exemption 7(C)

NAME	CONTACTED	PHONE	MOBILE
	☐ YES ☐ NO		

ADDRESS	CITY	STATE	ZIP CODE

NAME	CONTACTED	PHONE	MOBILE
	☐ YES ☐ NO		

ADDRESS	CITY	STATE	ZIP CODE

NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)

1. What type of NPDES permit has been issued? ☒ No NPDES Permit ☐ Individual NPDES Permit ☐ General NPDES Permit — NPDES #
2. What date was the NPDES permit issued?
3. What date does the NPDES permit expire?
4. Is a copy of the NPDES permit onsite? ☐ YES ☐ NO
5. Permitted number of animals (no. & specie)?
6. Does the NPDES Permit contain a compliance schedule? ☐ YES ☐ NO
7. Have there been any changes made to the production area since the permit was issued? ☐ YES ☐ NO

If "YES", provide a detailed description of those changes.

LAND APPLICATION/NUTRIENT MANAGEMENT		
1. How many TOTAL acres are available for land application? **1,700** acres		
2. How many acres are READILY available for land application at the time of inspection? **1,450** acres		
3. Estimated annual quantities of liquid waste **3 million** gallons		
4. Estimated annual quantities of solid waste **2,300** tons		
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: **Burkholder**	☒ YES	☐ NO
6. What type of land application equipment is available to the facility? ☒ Umbilical Injection ☒ Honeywagon Injection ☐ Honeywagon Surface ☐ Irrigation ☐ Rotational Gun ☐ Manure Spreader ☐ Vegetative Filter ☐ Other _____		
7. Does the facility calibrate the land application equipment? If "YES", What method is used? **Manufacturer's Recommendations**	☒ YES	☐ NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	☐ YES	☒ NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	☐ YES	☒ NO
10. Does the facility land apply near any residences? If "YES", Explain **Neighbor to a field.**	☒ YES	☐ NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	☒ YES ☒ YES	☐ NO ☐ NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	☐ YES ☐ YES	☒ NO ☐ NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	☐ YES	☒ NO
14. Are the number of acres owned/leased consistent with those in the NMP?	☐ YES	☒ NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	☐ YES	☒ NO
16. Are all of the records identified in the NMP being maintained and kept current?	☐ YES	☒ NO
17. Are records being maintained at the required frequency?	☐ YES	☒ NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	☐ YES	☒ NO
19. Confirm the NMP adequately addresses the following: ☐ Storage & Maintenance of Waste Handling System ☐ Chemicals, Contaminants, & Mortalities Properly Disposed - not Directly Disposed in Waste Handling System ☐ Animals not in Direct Contact with Waters of US ☐ Clean Water Diverted from Waste Handling System ☐ Site Specific Buffers & Conservation Practices ☐ Protocols for Soil & Manure Testing ☐ Land Application Protocols for Nutrient Utilization ☐ Records Maintained to Document Above		

LIVESTOCK FACILITY DESCRIPTION

Type of Animals	Number of Animals (currently)	Animal Capacity	Type of Confinement	Number of Structures
DAIRY MILKING	**650**	**650**	**OPEN CONCRETE FEEDLOT**	**Multiple**
DAIRY DRY	**25**		**TOTAL CONFINEMENT BDG**	**1**
DAIRY DRY			**OPEN EARTHEN FEEDLOT**	**1**
CALVES	**45**			

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)?	☐ N/A	☒ YES	☐ NO
If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan?	☒ N/A	☐ YES	☐ NO
If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review?	☒ N/A	☐ YES	☐ NO
Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below.		☐ YES	☒ NO

LIVESTOCK WASTE STORAGE

1. Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO
   If NO, then proceed to question 10.

2. General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).

   Two-stage settling basin (sand & solids) flows by gravity to Holding Pond #1, pumped to Holding Pond #2, then flows by gravity to Holding Pond #3, that is used as flush water. Mortalities are rendered or buried.

Type of Storage	**Total Storage Capacity (Specify Units)**
☐ Anaerobic Lagoon	
☐ Covered Lagoon	
☒ Holding Pond	**3 ponds with approximately 3.5 million gallons**
☐ Above Ground Storage Tank ("Slurrystore")	
☐ Below Ground Storage Tank	
☐ Settling Basin	
☐ Roofed Storage Shed	
☐ Concrete Pad	
☐ Impervious Soil Pad	
☐ Underfloor Pits	
☐ Anaerobic Digester	
☐ Manure Stacks	
☐ Vegetative Filter	
☐ Other _____	
☐ None	

3. Do the storage structures have depth markers or staff gauges? ☒ YES ☐ NO

4. Are levels of manure in the storage structures recorded and records kept? ☐ YES ☒ NO

5. Do the storage structures have adequate freeboard? ☒ YES ☐ NO

6. Estimated final stage storage structure freeboard **36** in. of total depth **144** in.

7. Do facility personnel perform routine visual inspections of the storage structures? ☒ YES ☐ NO

8. Are the routine visual inspections documented? ☐ YES ☒ NO

9. Does the system have an outfall or discharge point? ☐ YES ☒ NO

If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).

10. Are there any portions of the production area where runoff is not controlled? ☒ YES ☐ NO

If "YES", provide a detailed description of the area(s) of concern:
Earthen feedlot area without containment.

MORTALITIES MANAGEMENT

1. How are mortalities managed? (Composted, buried, burned, rendering service, other)
Rendered with Darling.

2. Are mortalities documented and are records kept? ☒ YES ☐ NO

FACILITY WATER SOURCES

1. What type of method is used to provide drinking water for the animals?

   ☐ Overflow waters ☐ Tip Tanks ☐ Nipple waters ☒ Water Bowls ☐ Other _____

2. How is the water for animals obtained?

   ☐ Community PWS ☐ On-Site Well ☒ On-Site Impoundment ☐ Other _____

3. Is a mist cooling system used? ☐ YES ☒ NO

   How is mist water contained?

DAIRY OPERATION (If No Dairy, skip this section)

1. How many times per day are cows milked? **2**

2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).

   N/A

3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.

   Manually hosed to the holding pond.

4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.

   Automatic tank cleaner to pond.

5. Describe where process wastewater from the plate cooler goes and how it is contained.

   N/A

BEDDING (If No Bedding, skip this section)

1. Describe what type of bedding is used for the animals.

   Sand

2. Describe how bedding is collected and how often.

   Replaced by foot traffic attrition.

3. What is done with the used bedding? ☐ Reused ☒ Land Applied

MANURE COLLECTION

1. How is manure collected?

- ☐ Under Floor Pit
- ☐ Scraped: ☐ Automatic ☐ Manual
- ☒ Flush
- ☐ Solids Separator
- ☐ Other: _____
- ☐ None

2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.

N/A

FEED STORAGE CONTAINMENT

1. Describe how feed (silage, hay, etc) is contained.

- ☒ Bulk Bins
- ☐ Silage Pit
- ☒ Ag Bags
- ☒ Hay: ☒ Barn ☐ Outdoor
- ☐ Other: _____

2. Describe how feed (silage, hay, etc) runoff is contained.

- ☒ Not Applicable – Feed totally enclosed
- ☐ Other: _____
- ☐ None

RECEIVING SURFACE WATERS

1. Provide a description of the flow path from the facility to the nearest named surface water.

3/4 mile overland flow, unnamed tributary, west to Sugar Creek.

2. What is the name of the receiving stream?

Sugar Creek

3. Status of the named surface water: ☐ Intermittent ☒ Perennial

4. Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☒ NO

If "YES", provide a description of the deposits:

DISCHARGES		
1. Have there been any documented discharges of livestock waste to surface water ***in the past year***? If "NO" proceed to question 2.	☐ YES	☒ NO
a. If "YES", specify the date(s). _____		
b. What was the reason for the discharge?		
c. Was the discharge the result of a 25 year-24 hour rainfall event?	☐ YES	☐ NO
d. What was the precipitation amount? *(if applicable)*		
e. Was IEMA notified of the discharge?	☐ YES	☐ NO
f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)?	☐ YES	☐ NO
If "YES", describe actions taken:		
2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section.	☐ YES	☒ NO
a. Was the discharge the result of a 25 year-24 hour rainfall event?	☐ YES	☐ NO
b. What was the precipitation amount? *(if applicable)*		
c. What is the reason for the discharge?		
d. Number of water quality samples taken: **0**		
e. Locations of Water Quality Samples Relative to Discharge Flow: ☐ Discharge Point/Flow Path ☐ Upstream Waters of US ☐ Confluence Waters of US ☐ Downstream Waters of US ☐ Other _____		
f. What parameter(s) tested? ☐ pH ☐ Ammonia ☐ Nitrate ☐ Nitrite ☐ Phosphorus ☐ BOD_5 ☐ Total Susp Solids ☐ Fecal ☐ Diss O_2 ☐ Other _____		
g. Describe Flow Path to "Waters of US":		

BIOSECURITY – Inspection Activities			
1. Were biosecurity measures discussed with the facility prior to inspection?		☒ YES	☐ NO
2. Has there been 24-hours downtime between inspections for all IEPA personnel present?		☒ YES	☐ NO
3. Was the order of inspection conducted from high risk to low risk?	☒ N/A	☐ YES	☐ NO
4. Did all personnel stay outside livestock management and livestock waste handling facilities as defined in 35 IAC 501.285 and 35 IAC 501.300? If "YES" skip to question 7.		☒ YES	☐ NO
BIOSECURITY – Personal Protection Equipment			
5. Was sanitary footwear donned prior to entering the livestock management/waste handling facility(s)?	☒ N/A Did not Enter	☐ YES	☐ NO
6. Were disposable coveralls donned prior to entering the livestock management/waste handling facility(s)?	☒ N/A Did not Enter	☐ YES	☐ NO
7. Was sanitary footwear used during the inspection?		☒ YES	☐ NO
8. Was disposable sanitary outerwear disposed at the facility?		☐ YES	☒ NO

BIOSECURITY – Vehicle			
9. Was the vehicle parking location discussed with the facility prior to inspection?		☒ YES	☐ NO
10. Was the vehicle washed since the inspection prior to current? If "YES" skip question 11.		☒ YES	☐ NO
11. Was the vehicle parked >300-feet from the livestock management/waste handling facility? Explain where vehicle was parked:	☐ N/A	☐ YES	☐ NO
12. Was IEPA vehicle used on site?		☒ YES	☐ NO
13. Was facility vehicle used on site?		☐ YES	☒ NO
BIOSECURITY – Inspection Equipment			
14. Was all equipment wiped down with anti-bacterial wipes?		☒ YES	☐ NO
15. Was sample cooler kept inside vehicle during inspection? If "YES" skip question 16.		☒ YES	☐ NO
16. Was sample cooler wiped down with antibacterial wipes before placing back into vehicle?	☒ N/A	☐ YES	☐ NO

OTHER COMMENTS/NOTES

See attached "Field Investigation Notes."

Check all attachments: ☒ Narrative ☒ Photos ☒ Site Plan ☐ Sample Results

INSPECTOR'S SIGNATURE	**REPORT DATE**
_____	**08/28/13**

Cc: BOW/DWPC/RU

Attachments: **7**